

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 14 (Cancelled).

15. (New) A field device for determining and/or monitoring at least one process variable of a medium in a container, comprising:

at least one mechanically oscillatable unit connected with the container via a process connection, said mechanically oscillatable unit has at least three oscillatory members; at least one oscillatory member is connected, at an attachment region, with the process connection; and

at least one driver/receiver unit, wherein:

said driver/receiver unit excites said mechanically oscillatable unit to oscillate, or said driver/receiver unit detects the oscillations of said mechanically oscillatable unit, as the case may be;

said three oscillatory members execute oscillations, which said driver/receiver unit produces, or detects, as the case may be; and

said three oscillatory members are embodied and interconnected in such a manner, and said attachment region is selected in such a manner, that an approximately defined transmission of reaction forces and reaction torques occurs between said mechanically oscillatable unit and the process connection.

16. (New) The field device as claimed in claim 15, wherein:

the oscillations of said mechanically oscillatable unit are bending oscillations.

17. (New) The field device as claimed in claim 15, wherein:

at least the embodiment of said three oscillatory members, their interconnections, and said attachment region and their matching to one another are determinable and/or calculable in such a manner that at least the net reaction forces and reaction torques acting on said process connection because of the oscillations of said mechanically oscillatable unit are as close to zero as possible.

18. (New) The field device as claimed in claim 15, wherein:

said three oscillatory members comprise a long rod of length (L), mass (M) and stiffness (EI), a first short rod of length (L1), mass (M1) and stiffness (EI1) and a second short rod of length (L2), mass (M2) and stiffness (EI2);

said first short rod is connected, with an end region turned toward the process, to said long rod, at an end region of said long rod turned toward the process;

said second short rod is connected, with an end region turned away from the process, to said long rod, at an end region of said long rod turned away from the process; and

said long rod is connected with the process connection at least at an attachment region.

19. (New) The field device as claimed in claim 18, wherein:

said two short rods have essentially equal length, essentially equal mass, or essentially equal mass moment of inertia about their center of rotation, as the case may be, and essentially equal stiffness.

20. (New) The field device as claimed in claim 18, wherein:

said first and/or said second short rod have/has at least one groove/neck, which determines at least the oscillation frequency of said mechanically oscillatable unit.

21. (New) The field device as claimed in claim 18, wherein:
said long rod surrounds at least said first short rod coaxially.
22. (New) The field device as claimed in claim 18, wherein:
at least said second short rod coaxially surrounds said long rod.
23. (New) The field device as claimed in claim 18, wherein:
said long rod coaxially surrounds both of said short rods.
24. (New) The field device as claimed in claim 18, wherein:
said process connection is a tube, to which said long rod is secured at least
in the attachment region.
25. (New) The field device as claimed in claim 18, wherein:
said driver/receiver unit is located between the end region of said long rod
turned toward the process and the end region of said first short rod turned toward
the process.
26. (New) The field device as claimed in claim 18, wherein:
said driver/receiver unit is located between the end region of said long rod
turned away from the process and the end region of said second short rod turned
away from the process.
27. (New) The field device as claimed in claim 15, further comprising:
at least one piezoelectric element provided in said driver/receiver unit.
28. (New) The field device as claimed in claim 27, wherein:
said piezoelectric element in said driver/receiver unit includes at least two
segments, which are polarized in mutually opposite directions, wherein the
polarization directions lie parallel to an axis of rotation of said mechanically
oscillatable unit.

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 15 of the specification with the following revised abstract which is submitted on a separate sheet.